DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

THERMALLY-ASSISTED MAGNETIC RECORDING DISK WITH RECORDING LAYER EXCHANGE-COUPLED TO ANTIFERROMAGNETIC-TO-FERROMAGNETIC SWITCHING LAYER

the specification of which is	s:	
attached hereto		
as United States A	* *	PCT International Application Number (if applicable).
I hereby state that I have ro as amended by any amend		nd the contents of the above identified specification, including the claims, e.
l acknowledge the duty to	disclose information wi	nich is material to patentability as defined in 37 CFR §1.56.
certificate, or §365(a) of any listed below and have also	PCT International app identified below, by ch	C §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's lication which designated at least one country other than the United States, ecking the box, any foreign application for patent or inventor's certificate, te before that of the application on which priority is claimed.
Prior Foreign Application	on(s):	Priority Not Claimed:
(Number)	(Country)	(Day/Month/Year Filed)
Power of Attorney:		
I hereby appoint the follow Patent and Trademark Offi	• • • •	agent(s) to prosecute this application and to transact all business in the
Thomas R. Berth	old (#28,689)	
Daniel E. Johnso	n (#37,033)	
Marc D. McSwai	• • •	
Alison D. Morting	ner (#30 306)	
Khanh Q. Tran		
Thirumal R. Coca	(#41,352)	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Customer_No_21617_or: Thomas R. Berthold (408) 927-3363 Thomas R. Berthold (BM Corporation Almaden Research Center Intellectual Property Law C4TA/J2B 650 Harry Road San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. The statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. The statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. The statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States and the like so made are punishable by fine or imprisonment, or both, under Section		
Thomas R. Berthold (408) 927-3363 Thomas R. Berthold IBM Corporation Almaden Research Center Intellectual Property Law C4TAJ2B 650 Harry Road San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. **Managemental and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. **Managemental and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. **Managemental and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that statements made on information and and and and and and and and and an	Address all telephone calls to:	•
IBM Corporation Almaden Research Center Intellectual Property Law C4TAJ2B 650 Harry Road San Jose, California 95120-6099		Customer_No21617_or:
Intellectual Property Law C4TA/J2B 650 Harry Road San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilfful false statements and ear punishable by fine or Imprisonment, or both, under Section 1001 hitle 30 the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. #### Page 12 / 0 3 / 0 Residence: 17212 Quail Court Morgan Hill, CA 95037 Citizenship: USA Post Office Address: SAME ###################################	Thomas R. Berthold	Thomas R. Berthold
Intellectual Property Law C4TAJ2B 650 Harry Road San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. ### Additional Property Law C4TAJ2B 650 Harry Road San Jose, California 95120-6099 ### Intellectual Property Law C4TAJ2B 650 Harry Road San Jose, California 95120-6099 ### Intellectual Property Law California 95120-6099 ### Intellectual Property La		
So Harry Road San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. ### Date: 12/03/01 Residence: 17212 Quail Court Morgan Hill, CA 95037 Citizenship: USA	(400) 527-5505	, , , , , , , , , , , , , , , , , , ,
San Jose, California 95120-6099 Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. **Managananananananananananananananananana		
Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. ### Additional Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. #### Additional Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. ###################################		
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Full name of sole or first Inventor: Eric E. Fullerton Inventor's signature:	and belief are believed to be true; and further that thes statements and the like so made are punishable by fine or	se statements were made with the knowledge that willful false imprisonment, or both, under Section 1001 of Title 18 of the United
Inventor's signature:	<i>аааааааааааааааааааааааааааааааааааа</i>	annannannannannannannannannannannannann
Residence: 17212 Quail Court Morgan Hill, CA 95037 Citizenship: USA Post Office Address: SAME Inventor's signature: Stefan Maat Inventor's signature Drive San Jose, CA 95123 Citizenship: Germany Post Office Address: SAME Inventor's SAME Inventor's Samany Post Office Address: SAME Inventor's Samany Post Office Address: SAME Inventor's signature: Jan-Ulrich Thiele	Full name of sole or first Inventor: Eric E. Fullerton	
Post Office Address: SAME	Inventor's signature: In G. Fullute	Date: 12/03/01
Full name of second inventor: Stefan Maat Inventor's signature: Skefan Maat Citizenship: Germany Post Office Address: SAME Inventor's signature: Jan-Ulrich Thiele Residence: 806 Coleman Ave. #5 Menlo Park, CA 94025	Residence: 17212 Quail Court Morgan Hill, C	A 95037
Full name of second inventor: Stefan Maat Inventor's signature: Stefan Maat Residence: 368B Nature Drive San Jose, CA 95123 Citizenship: Germany Post Office Address: SAME Inventor's signature: Jan-Ulrich Thiele Inventor's signature: Jan- Date: 12 / 0 3 / 0, Residence: 806 Coleman Ave. #5 Menlo Park, CA 94025	Citizenship: USA	Post Office Address: SAME
Inventor's signature: Skylon Market Date: 12/03/01 Residence: 368B Nature Drive San Jose, CA 95123 Citizenship: Germany Post Office Address: SAME Inventor's signature: Jan-Ulrich Thiele Inventor's signature: Jan-Ulrich Thiele Residence: 806 Coleman Ave. #5 Menlo Park, CA 94025		
Residence: 368B Nature Drive San Jose, CA 95123 Citizenship: Germany Post Office Address: SAME	Full name of second inventor: Stefan Maat	
Post Office Address: SAME	Inventor's signature: Skefur Man	Date: 12/03/01
Full name of third Inventor: Jan-Ulrich Thiele Inventor's signature: Residence: 806 Coleman Ave. #5 Menlo Park, CA 94025	Residence: 368B Nature Drive San Jose, CA	A 95123
Full name of third Inventor: Jan-Ulrich Thiele Inventor's signature:	Citizenship: Germany	Post Office Address: SAME
Inventor's signature:	•	
Residence: 806 Coleman Ave. #5 Menio Park, CA 94025	Full name of third inventor: Jan-Ulrich Thiele	
OU COICHIGH AVC. #3 Mellio Fair, OA 34023	Inventor's signature:	Date: (2/03/0)
Citizenship: Germany Post Office Address: SAME	Residence: 806 Coleman Ave. #5 Menlo Park,	CA 94025
	Citizenship: Germany	Post Office Address: SAME